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*North America's Leader in Hazardous Material Information Management*  
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## MSDS PRODUCT INFORMATION

Date: 10/07/2005  
To: MSDS Requester  
From: 3E Company  
Subject: The MSDS you have requested

☐ MSDS NOT REQUIRED

In response to your request for a Material Safety Data Sheet, according to the OSHA Hazard Communication Standard (Right-to-Know), the following item is an article. Articles are defined in 29 CFR 1910.1200(c). Products such as Drugs, cosmetics, food, or alcoholic beverages, wood or wood products, and tobacco or tobacco products, as defined in 29 CFR 1910.1200(b)(6), are exempt from the Hazard Communication Standard. Items that are considered articles, as defined in 29 CFR 1910.1200(c), are also exempt from this Standard. Therefore, the manufacturer is not required to provide an MSDS for this product.

☐ MSDS DISCONTINUED PRODUCT

In response to your request for a Material Safety Data Sheet, the manufacturer has discontinued the product listed below. The MSDS Attached is the most current version, or an MSDS is no longer available.

☐ MSDS BEST COPY AVAILABLE

The MSDS attached is the best copy available from the manufacturer.

☒ MANUFACTURER NO LONGER IN BUSINESS

In response to your request for a Material Safety Data Sheet, a current MSDS could not be obtained for this product. It has been determined that the manufacturer listed below is no longer in business. A current address and phone number could not be located.

Manufacturer: Ringer Corporation

Product Name: Safer Brand Insecticidal Soap Multi-Purpose Insect Killer Conc.

**MATERIAL SAFETY DATA SHEET**  
(Complies with OSHA CFR 1910.1200, ANSI Z 400.1-1993)

**SECTION 1: Chemical Product & Company Identification**

**Product Name(s):** Safer® Brand Insecticidal Soap Multi-Purpose Insect Killer Concentrate

**MSDS Number:** 5120 **EPA Number:** 42697-1

**Manufacturer Name & Address:** Safer®, Inc., a wholly owned subsidiary of Verdant Brands, Inc. 9555 James Avenue S., Suite 200, Bloomington, MN 55431

**Telephone Contact Number & Hours of Operation:** (612) 703-3300, 8:00 a.m. - 5:00 Central Time

**Emergency Telephone Contact Number:** Chemtrec 1-800-424-9300

**SECTION 2: Composition/Information on Ingredients**

<u>Hazardous Ingredients(*):</u>	% by weight		CAS No.	OSHA TWA	PEL STEL	ACGIH TWA	TLV STEL
ethyl alcohol	< 35		64-17-5	1900 mg/m <sup>3</sup>	NE	1880 mg/m <sup>3</sup>	NE
methyl alcohol	< 2.0		67-56-1	260 mg/m <sup>3</sup>	NE	262 mg/m <sup>3</sup>	328 mg/m <sup>3</sup>
Potassium Salts of Fatty Acids	< 50.0		N/A	NE	NE	NE	NE

\* all ingredients in quantities > 1.0 % (0.1 % for carcinogens or teratogens) that are potentially hazardous per OSHA definitions  
N/A = not applicable NE = not established

**SECTION 3: Hazards Identification**

**EMERGENCY OVERVIEW**

**Physical description:** Amber liquid

**Odor:** alcohol and lard odor

**Potential Health Effects:** This material may be severely irritating to both eyes and skin. Personnel responding to a spill should wear protective clothing and eye protection.

**SECTION 4: First Aid Measures**

**Skin Contact:** Wash with plenty of soap and water. Get medical attention.

**Ingestion:** If swallowed, promptly drink large amounts of water. Never give liquids to an unconscious person. Get medical attention.

**Eye Contact:** Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

**Inhalation:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**NOTES TO PHYSICIAN:** The range of toxicity for methanol ingestion is extremely variable. Blood levels of methanol and degree of acidemia are more indicative of risk. Visual changes have been described, and may be delayed for 12 to 24 hours. Fundoscopic findings may be normal but also may show peripapillary edema, hyperemia of the optic disc or retinal edema.

**SECTION 5: Fire Fighting Measures**

**Extinguishing media:** alcohol foam

**Hazardous products of combustion:** not determined

**Special Fire Fighting Measures:** water stream may spread fire

**Flashpoint:** < 72°F TCC

**Autoignition temperature:** not applicable

**NFPA Ratings:** Health = 2 Fire = 3 Reactivity = 0

**SECTION 6: Accidental Release Measures**

**Spills:** Rinse with abundant water and mop up (See Disposal Comments in Section 13)

**SECTION 7: Handling & Storage**

**Storage:** Store away from heat and open flame, out of reach of children. Do not contaminate water, food or feed by storage or disposal. Do not reuse container.

**SECTION 8: Exposure Controls & Personal Protective Equipment**

**Skin:** Protective gloves (nitrile) recommended

**Eye Protection:** Recommended to avoid splashing of material directly into eyes

**Respiratory:** In typical applications no engineering controls should be needed; if industrial hygiene surveys show that occupational exposure limits may be exceeded, use NIOSH approved respirator with organic vapor/dust/mist cartridges

### SECTION 9: Physical & Chemical Parameters

Appearance: Amber liquid	Odor: alcohol and lard odor
Physical state: liquid	Solubility in water: nearly complete
Bulk Density: 0.93	pH: 10.6-10.8
Vapor pressure: not determined	Vapor density: not determined
Boiling point: 80°C (176°F)	Freezing point: not determined

### SECTION 10: Stability & Reactivity

Stability: stable  
 Conditions to avoid: heat and open flame  
 Incompatibilities: Concentrated mineral supplements (fertilizers), strong oxidizers, acids  
 Hazardous polymerization: will not occur

### SECTION 11: Toxicological Information

Oral LD<sub>50</sub> = > 5,000 mg/kg      Dermal LD<sub>50</sub> = > 2,000 mg/kg      Inhalation LC<sub>50</sub> = > 500 mg/m<sup>3</sup>  
 Not a contact sensitizer      Carcinogens: None listed per OSHA, NTP, or IARC  
 Ethanol has been shown to be a developmental toxin from chronic ingestion; such effects are not anticipated from appropriate use of this product.

### SECTION 12: Ecological Information

Ecotoxicity: May be hazardous to aquatic invertebrates. Do not apply directly to water; do not contaminate water by cleaning of equipment or disposal of washwaters.  
 Environmental Fate: No data available

### SECTION 13: Disposal Considerations

Be aware that the waste owner has responsibility for final disposal. Regulations may also apply to empty containers, liners or rinsate. Laws may change or be reinterpreted; state and local regulations may be different from federal regulations. This information applies to materials as manufactured; contamination or processing may change waste characteristics and requirements.

### SECTION 14: Transport Information

DOT Hazard Description: Consumer Commodity, ORM-D

### SECTION 15: Regulatory Information

SARA Title III: reporting not required unless TPQ exceeded in inventory  
 Individual States: States such as Pennsylvania, New Jersey, California, Vermont, Massachusetts and Rhode Island may all have components of this product listed; consult specific state regulatory requirements for additional information.

### SECTION 16: Other Information

For additional information, refer to the American Conference of Governmental Industrial Hygienists (ACGIH) documentation of TLV's (Threshold Limit Values) for individual components and the DOT Emergency Response Guidebook.

This information is provided in good faith, but without express or implied warranty.